

CLAIMS

1. A flexible substrate formed of a stacked body which is constituted of an inorganic glass layer and a polymer layer which contains polyorganosilsesquioxane as a main component.

2. A flexible substrate according to claim 1, wherein the polymer layer is a polymer layer which is manufactured by applying a coating liquid which contains polyorganosilsesquioxane as a main component to the inorganic glass layer and, thereafter, applying drying and heat treatment to the coating liquid.

3. A flexible substrate according to claim 2, wherein a weight average molecular weight of polyorganosilsesquioxane is set to a value which falls within a range of 1000 to 100000 as a weight average molecular weight (Mw) in polystyrene conversion.

4. A flexible substrate according to claim 2 or 3, wherein a ratio of an absorption intensity of an absorption band based on a Si-OH bond which is observed in a region ranging from 830cm^{-1} to 930cm^{-1} with respect to an absorption intensity of an absorption band having a largest absorbing ability among absorption bands based on a Si-O bond observed in a region ranging from 1000cm^{-1} to 1200cm^{-1} of an infrared absorption spectrum of polyorganosilsesquioxane which is contained in the coating liquid falls within a range of 0.01 to 0.2.

5. A flexible substrate according to any one of claims 2 to 4, wherein polyorganosilsesquioxane which is contained in

the coating liquid is ladder-type polyorganosilsesquioxane.

6. A flexible substrate according to any one of claims 2 to 5, wherein polyorganosilsesquioxane which is contained in the coating liquid is a silicon oxide polymer which is obtained by applying hydrolysis and dehydration condensation to a solution which contains at least trifunctional silicon-containing alkoxide.

7. A flexible substrate according to any one of claims 2 to 6, wherein polyorganosilsesquioxane which is contained in the coating liquid is a silicon oxide polymer having at least one substituent out of an aryl group, an alkyl group and a substituent alkyl group.

8. A flexible substrate according to any one of claims 2 to 7, wherein the coating liquid is a coating liquid which further contains an organic resin and/or an organic low-molecular compound in addition to polyorganosilsesquioxane.

9. A flexible substrate according to any one of claims 2 to 8, wherein the coating liquid is a coating liquid which further contains a silicone resin in addition to polyorganosilsesquioxane.

10. A flexible substrate according to any one of claims 2 to 9, wherein the coating liquid is a coating liquid which further contains colloidal silica in addition to polyorganosilsesquioxane.

11. A flexible substrate according to any one of claims 1 to 10, wherein the polymer layer is formed on both surfaces

of the inorganic glass layer.

12. A flexible substrate according to any one of claims 1 to 11, wherein the flexible board has heat resistance of 350°C or more.

13. A flexible substrate according to any one of claims 1 to 12, wherein the flexible substrate possesses light transmittance of 90% or more in a wavelength band of 400nm to 800nm after heat treatment at a temperature of 350°C in air.

14. A flexible substrate according to any one of claims 1 to 13, wherein the flexible substrate is not broken even when an impact of 0.3mNm is applied to the flexible substrate in a direction perpendicular to the flexible substrate after heat treatment at a temperature of 350°C in air.

15. A coating liquid which contains polyorganosilsesquioxane as a main component thereof.